

AMENDMENTS TO THE CLAIMS

1. – 4. (cancelled)

5. (previously presented) An integrity testing system for leak-tightness testing systems, which are adapted in turn for determining or testing whether a canister or other sealed, hollow body filled with a liquid or gas under pressure is leaky, where such leak-tightness testing systems employ a vacuum chamber and any change in pressure within the vacuum chamber is monitored, the integrity testing system comprising a test body (20) adapted to removably absorb a defined amount of moistness, and the vacuum chamber (30) of the leak-tightness testing system,

wherein at least a portion of the test body is exposed to the vacuum chamber,

whereby moisture is removed from the test body when a vacuum is generated in the vacuum chamber, the removed moisture producing a pressure increase in the vacuum chamber over a pre-determined time span.

6. (previously presented) The integrity testing system as recited in claim 5, wherein the test body comprises polyamide.

7. (previously presented) The integrity testing system as recited in claim 5, wherein the test body comprises polyoxymethylene (POM).

8. (currently amended) The integrity testing system of claim 5, wherein the pressure increase is a pre-determined ~~pre-specified~~ pressure increase when the vacuum chamber is leak-tight.

9. (currently amended) The integrity testing system as recited in claim 8, wherein the pre-determined ~~pre-specified~~ pressure increase simulates the amount of leakage that would be just-tolerable ~~just-acceptable~~ from a leak-tight hollow body to be tested in the vacuum chamber.

10. (currently amended) The integrity testing system of claim 5, wherein the vacuum chamber is not leak-tight when the pressure increase exceeds a pre-determined ~~pre-specified~~ pressure increase.

11. (currently amended) The integrity testing system as recited in claim 10, wherein the pre-determined ~~pre-specified~~ pressure increase simulates the amount of leakage that would be just-tolerable ~~just-acceptable~~ from a leak-tight hollow body to be tested in the vacuum chamber.

12. (previously presented) The integrity testing system as recited in claim 5, wherein the test body is adapted to absorb a defined amount of moistness from the ambient atmosphere before being placed in the vacuum chamber.

13. (previously presented) The integrity testing system as recited in claim 5, wherein the test body can be re-used.

14. (currently amended) A process for the integrity testing of leak-tightness testing systems, which leak-tightness testing systems in turn test whether a canister or other sealed, hollow body is leak-tight, the process comprising:

providing a test body, wherein a defined amount of moistness is removably supplied to the test body in advance;

placing the test body in a vacuum chamber of a leak-tightness testing system;

generating a vacuum around the test body in the vacuum chamber, whereby ~~wherein~~ moisture is removed from the test body, and whereby ~~wherein~~ a pressure increase is produced in the vacuum chamber by the moisture removed from the test body; and

measuring the pressure increase in the vacuum chamber over a pre-determined time span to determine the integrity of ~~if~~ the leak-tightness testing system is leak-tight.

15 (currently amended) The process of claim 14, wherein the pressure increase is a pre-determined ~~pre-specified~~ pressure increase when the leak-tightness testing system is leak-tight.

16. (currently amended) The process of claim 15, wherein the pre-determined ~~pre-specified~~ pressure increase simulates the amount of leakage that would be just-

~~tolerable just-acceptable~~ from a leak-tight hollow body to be tested in the leak-tightness testing system.

17. (currently amended) The process of claim 14, wherein the leak-tightness testing system is not leak-tight when the pressure increase exceeds a pre-determined pre-specified pressure increase.

18. (currently amended) The process of claim 17, wherein the pre-determined pre-specified pressure increase simulates the amount of leakage that would be just-tolerable just-acceptable from a leak-tight hollow body to be tested in the vacuum chamber.

19. (previously presented) The process of claim 14, wherein the test body is adapted to absorb a defined amount of moistness from the ambient atmosphere before being placed in the vacuum chamber.

20. (previously presented) The process of claim 14, wherein the test body can be re-used.

21. (previously presented) The process of claim 14, wherein the test body comprises polyamide.

22. (previously presented) The process of claim 14, wherein the test body comprises polyoxymethylene (POM).